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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/666,722   | 09/20/2000  | Yoshiaki Tanaka      | 0102/0138           | 6231             |
| 21395  | 7590        | 03/27/2006           | EXAMINER            |                  |
| LOUIS WOO<br>LAW OFFICE OF LOUIS WOO<br>717 NORTH FAYETTE STREET<br>ALEXANDRIA, VA 22314 |             |                      | SELLERS, DANIEL R   |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2615                |                  |

DATE MAILED: 03/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 09/666,722             | TANAKA ET AL.       |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | Daniel R. Sellers      | 2644                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 28 December 2005.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 22-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 22-27 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 15 April 2004 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    - Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

|   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date: _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date: _____  | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. Claims 22-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heo, Kondo, and McPherson et al., U.S. Pat. No. 6,298,025 (McPherson).

2. Regarding claim 22, see Heo column 20, lines 39-42 and column 21, lines 34-43. Heo teaches a device that decodes a stream containing audio packs and a stream that has a down sampling flag, a down mix flag, and a dequantization flag placed in a given area. Heo teaches PCM data with channel identifying features and it is inherent that the channels for the PCM digital audio signals are adjacent to each other (col. 12, lines 23-31). Heo does not teach a packeting process with CIP packets, however Heo teaches header information in a real-data recording. One skilled in the art would have found it obvious to place the information in any header position, such as that taught by Heo. Kondo teaches a packeting process involving CIP headers (Col. 22, line 58 – Col. 23, line 18, and Fig. 11 and 12).

Neither Heo nor Kondo teach multiple channels separated into a first channel group and a second channel group, wherein information regarding the sampling frequency for the first group and the second group. McPherson teaches audio, wherein it is grouped into a plurality of groups (Col. 3, lines 32-50). Each group can have different sampling frequency information in a header region (Col. 5, lines 11-32 and Col. 8, lines 27-30). It would have been obvious for one of ordinary skill in the art to combine the teachings of Heo, Kondo, and McPherson for providing headers to divided data.

One of ordinary skill in the art would recognize that headers are needed to correctly identify sampling rates and word lengths for proper playback or processing.

3. Regarding claim 23, the further limitation of claim 22, see the preceding argument with respect to claim 22. Heo teaches a down-sampling flag wherein the audio content is downsampled from 192 kHz to 96 kHz, or to one half of the original signal.

4. Regarding claim 24, see the preceding argument with respect to claim 22. The combination teaches these features.

5. Regarding claim 25, the further limitation of claim 24, see the preceding argument with respect to claim 23. The combination teaches a method of decoding packeted data with these features.

6. Regarding claim 26, see the preceding argument with respect to claim 22. The combination teaches a signal receiving method with these features.

7. Regarding claim 27, the further limitation of claim 26, see the preceding argument with respect to claim 23. The combination teaches these features.

### ***Response to Arguments***

8. Applicant's arguments with respect to claims 22-27 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel R. Sellers whose telephone number is 571-272-7528. The examiner can normally be reached on Monday to Friday, 9am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571)272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2644

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DRS

~~SINH TRAN~~  
~~SUPERVISORY PATENT~~



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